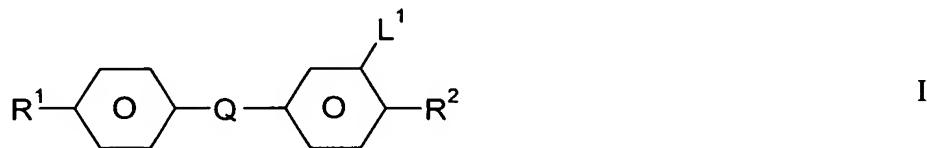


This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) Polymerizable, luminescent compounds of formula I



wherein

R^1, R^2 are independently of each other H, halogen, NO_2 , CN , NCS , straight chain, branched or cyclic alkyl with 1 to 25 C-atoms wherein one or more CH_2 groups may also be replaced by $-CO-$, $-O-$, $-S-$, $-NR^0-$, $-CH=CH-$, $-C\equiv C-$ in such a manner that O- and/or S-atoms are not linked directly to one another, and wherein one or more H-atoms may also be replaced by F or Cl, or denotes $P-(Sp-X)_n-$,

Sp is a spacer group with 1 to 20 C-atoms,

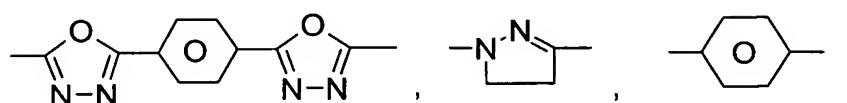
P is a polymerizable group,

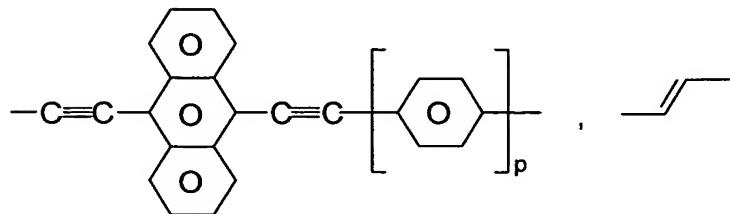
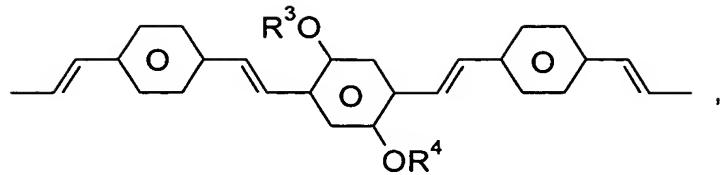
X is $-O-$, $-S-$, $-CO-$, $-COO-$, $-OCO-$, $-CO-NR^0-$, $-NR^0-CO-$, $-NR^0-$ or a single bond,

n is 0 or 1,

R^0 is H or alkyl with 1 to 5 C-atoms,

Q is one of the following subformulae





R^3, R^4 are independently of each other straight chain, branched or cyclic alkyl with 1 to 15 C-atoms wherein one or more H-atoms may also be replaced by F or Cl, or denotes $P-(Sp-X)_n-$,

p is 0 or 1,

L^1 is H, F or CN

with the proviso that

a) the compounds of formula I contain one, two or more groups $-(X-Sp)_n-P$,

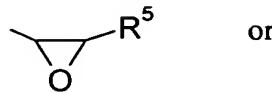
b) if Q denotes , then R^1 is $-O-Sp-P$,

R^2 is $-CN$, wherein P is not

with R^5 denoting H, Cl or alkyl with 1 to 5 C-atoms,

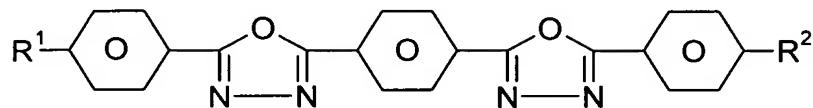
c) if Q denotes , then R^1 is

i) wherein P is not $\text{--OOC--R}^5\text{--}$ and P is not

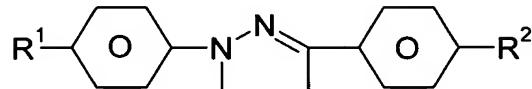


ii) L¹ is F or CN.

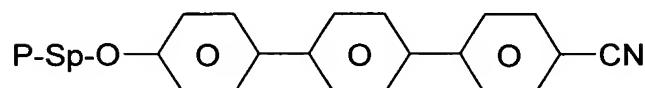
2. (Original) Compounds according to claim 1 selected from the following formulae



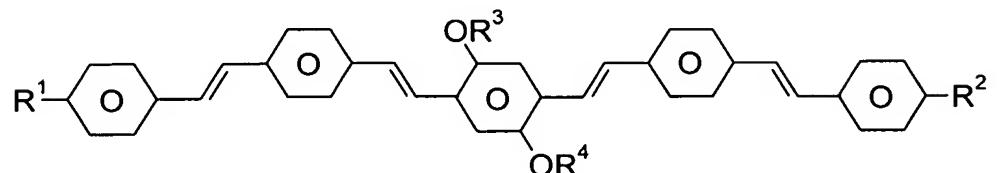
Ia



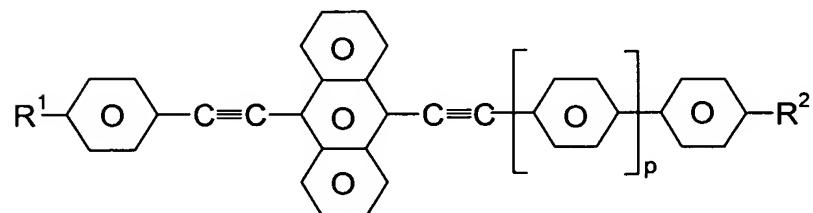
Ib



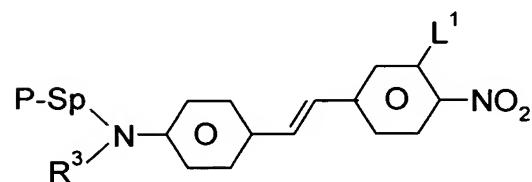
Ic



Id



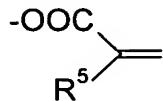
Ie



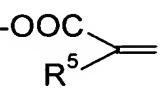
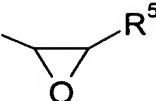
If

wherein

$R^1, R^2, R^3, R^4, P, Sp, L^1$ and p are defined as in claim 1 with the proviso that

a) in formula Ic P is not  wherein R^5 denotes H, Cl or alkyl with 1 to 5 C-atoms,

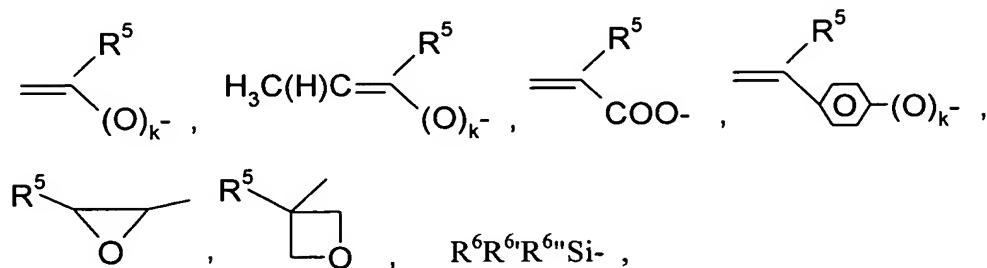
b) in formula If

i) P is not  and P is not 

wherein R^5 has the meaning given above or

ii) L^1 is F or CN.

3. (Currently Amended) Compounds according to claim 1 or 2 wherein P is selected from



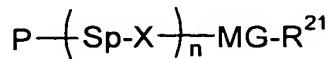
wherein

R^5 is H, Cl or alkyl with 1 to 5 C-atoms,

$R^6, R^{6'}, R^{6''}$ are independently of each other -Cl, -O-alkyl and/or -O-CO-alkyl with alkyl having 1 to 5 C-atoms and

k is 0 or 1.

4. (Currently Amended) Polymerizable mixture comprising at least one compound according to ~~one of the claims 1 to 3~~ Claim 1.
5. (Original) Polymerizable mixture according to claim 4 further comprising at least one polymerizable mesogenic compound of formula II



II

wherein

P is a polymerizable group,

Sp is a spacer group having 1 to 20 C-atoms,

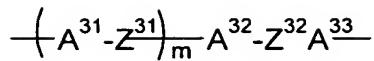
X is a group selected from -O-, -S-, -CO-, -COO-, -OCO-, -O-COO-, -SO₂-O-, -O-SO₂- or a single bond,

n is 0 or 1,

R²¹ is H or an alkyl radical with up to 25 C atoms which may be unsubstituted, mono- or polysubstituted by halogen or CN, it being also possible for one or more non-adjacent CH₂ groups to be replaced, in each case independently from one another, by -O-, -S-, -NH-, -N(CH₃)-, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-, -CO-S- or -C≡C- in such a manner that oxygen atoms are not linked directly to one another, or alternatively R²¹ is halogen, cyano or has independently one of the meanings given for P-(Sp-X)_n,

MG is a mesogenic or mesogenity supporting group.

6. (Original) Polymerizable mixture according to claim 5 wherein MG is a mesogenic or mesogenity supporting group of formula III



III

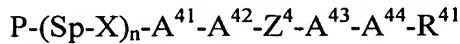
wherein

A^{31}, A^{32}, A^{33} being independently from one another 1,4-phenylene in which, in addition, one or more CH groups may be replaced by N, 1,4-cyclohexylene in which, in addition, one or two non-adjacent CH_2 groups may be replaced by O and/or S, 1,4-cyclohexenylene or naphthalene-2,6-diyl, it being possible for all these groups to be unsubstituted, mono- or polysubstituted with halogen, cyano or nitro groups or alkyl, alkoxy or alkanoyl groups having 1 to 7 C atoms wherein one or more H atoms may be substituted by F or Cl,

Z^{31}, Z^{32} being independently from one another -O-, -CO-, -COO-, -OCO-, - SO_2 -O-, -O- SO_2 -, - CH_2CH_2 -, - OCH_2 -, - CH_2O -, - $CH=CH$ -, -C≡C-, - $CH=CH-COO$ -, -OCO- $CH=CH$ - or a single bond and

m being 0, 1 or 2.

7. (Currently Amended) Polymerizable mixture according to ~~claim 4, 5 or 6~~ Claim 4 further comprising at least one polymerizable and photoorientable compound.
8. (Original) Polymerizable mixture according to claim 7 characterized in that the polymerizable and photoorientable compound is denoted by the formula IV



IV

wherein

P is a polymerizable group,

Sp is a spacer group having 1 to 20 C-atoms,

X is a group selected from -O-, -S-, -CO-, -COO-, -OCO-, -O-COO-, -SO₂-O-, -O-SO₂- or a single bond,
 n is 0 or 1,
 A⁴¹, A⁴²,
 A⁴³, A⁴⁴ are independently of each other 1,4-phenylene, wherein 1, 2, 3 or 4 H-atoms may be replaced by F or Cl,
 A⁴¹, A⁴⁴ may in addition to the above given meaning denote independently of each other a single bond,
 Z⁴ is -N=N-, -CH=CH- or $\left(\text{O} \right)_{s_1} \left(\text{CH}_2 \right)_{s_2} \text{O-CO-CH=CH-}$ with s1 being 0 or 1 and s2 being 0 to 6,
 R⁴¹ is H, halogen, NO₂, CN, SCN, straight chain, branched or cyclic alkyl with 1 to 25 C-atoms wherein one or more CH₂ groups can also be replaced by -O-, -S-, -NR⁰-, -CH=CH-, -C≡C- in such a manner that O- and/or S-atoms are not linked directly to one another, and wherein one or more H-atoms can also be replaced by F or Cl, or denotes P-(Sp-X)_n-.

9. (Currently Amended) Polymer material obtainable by polymerizing a polymerizable mixture according to ~~one of the claims 4 to 8~~ Claim 4.
10. (Original) Polymer material according to claim 9 obtainable by a process comprising the following steps
 - a) forming a thin layer of the polymerizable material,
 - b) aligning the molecules of the compounds of the mixture in the thin layer into a uniform orientation or a patterned orientation such that in each pattern the orientation is uniform,
 - c) polymerizing said polymerizable material.

11. (Currently Amended) Use of a compound according to ~~one of the claims 1 to 3~~
~~Claim 1 or of a polymerizable mixture according to one of the claims 4 to 8~~ for the manufacture of photoluminescent and/or electroluminescent polymer material.
12. (Currently Amended) Use of a polymer material according to claim 9 ~~or 10~~ as a photo- and/or electroluminescent material in a light emitting device, an optical or electrooptical display element.
13. (Currently Amended) Light emitting device comprising a polymer material according to claim 9 ~~or 10~~ as a photo- and/or electroluminescent material.
14. (Currently Amended) Optical or electrooptical display element comprising a polymer material according to claim 9 ~~or 10~~ as a photo- and/or electroluminescent material.
15. (New) Use of a polymerizable mixture according to Claim 4 for the manufacture of photoluminescent and/or electroluminescent polymer material.